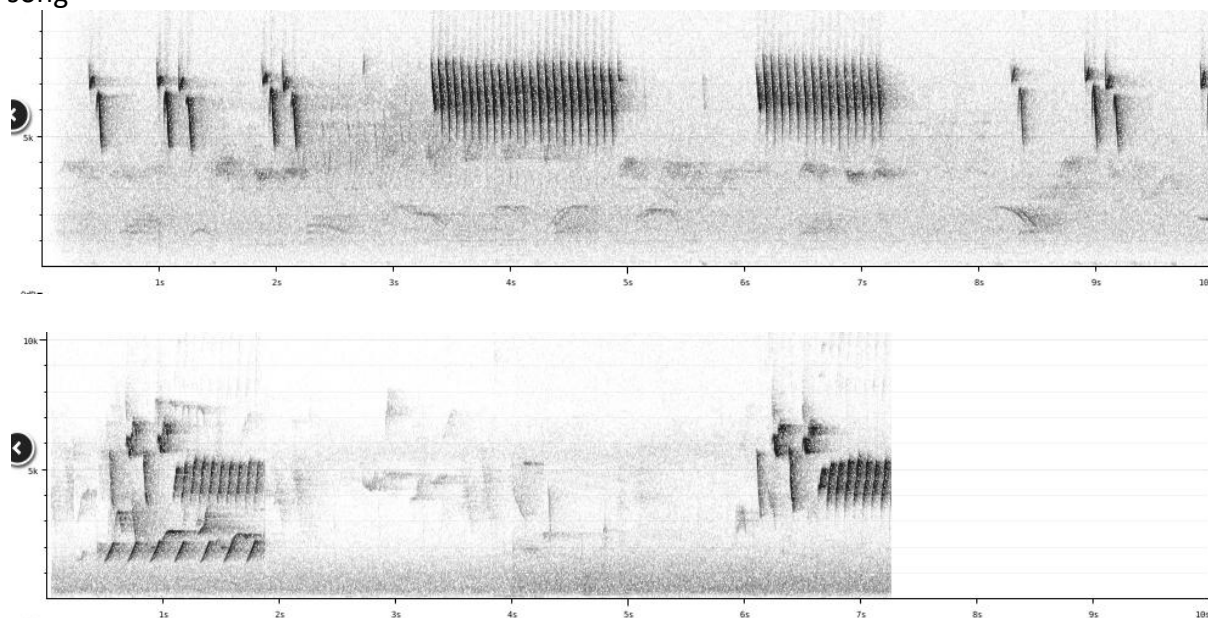


Notes on the vocalizations of Lemon-rumped Leaf-warbler (*Phylloscopus chloronotus*)

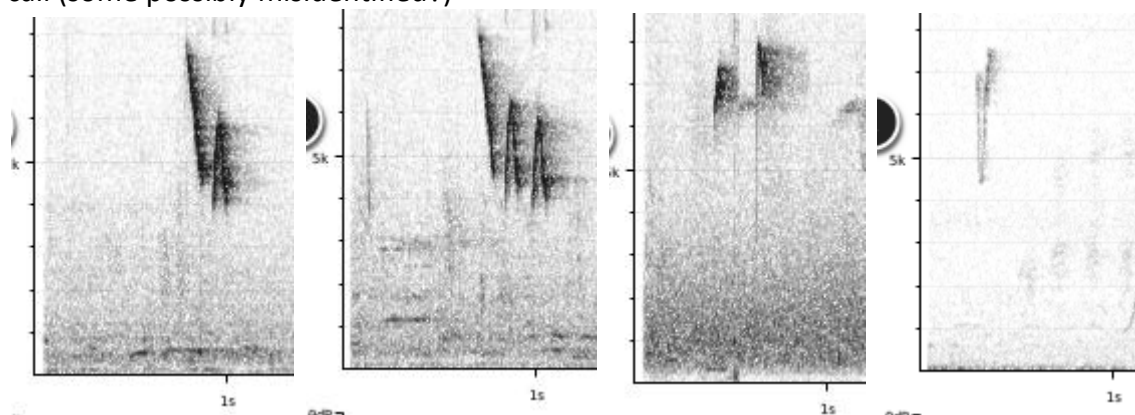
Peter Boesman

In the following we briefly analyze and compare voice of the three races of Lemon-rumped Leaf-warbler (*Phylloscopus chloronotus*). We also try to quantify the extent of any vocal differences using the criteria proposed by Tobias *et al.* (2010), as a support for taxonomic review. We have made use of sound recordings available on-line from Xeno Canto (XC).

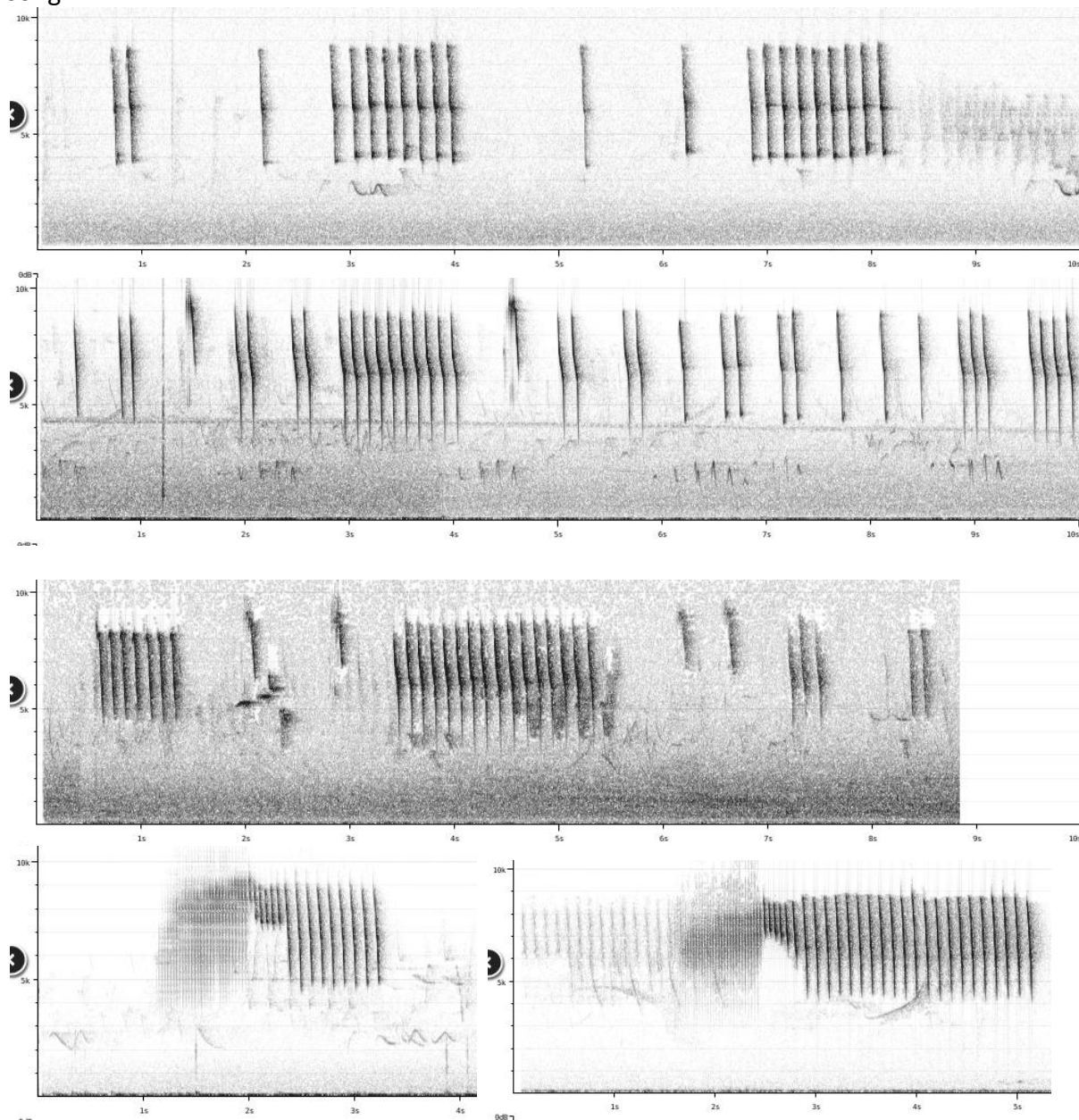
There are only a few recordings of *chloronotus/simlaensis* available:
song



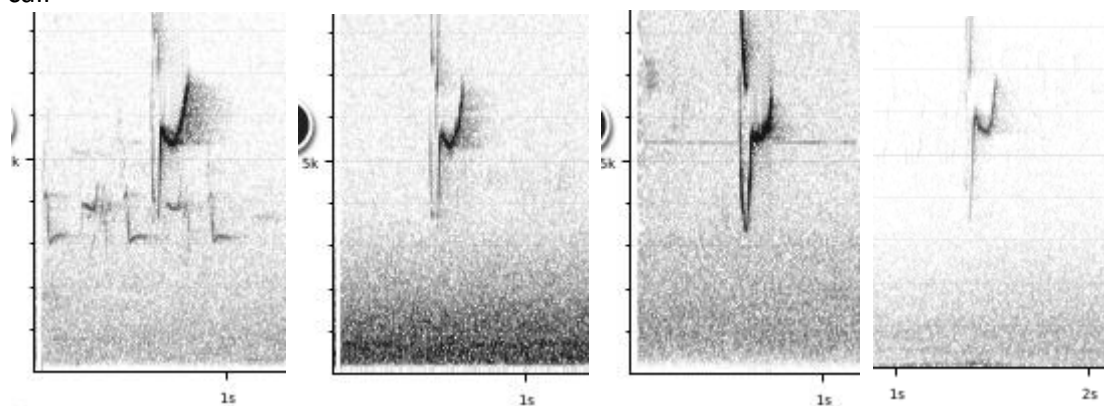
call (some possibly misidentified?)



To be compared with vocalizations of *forresti*:
song



call



Voice of both groups seems to be quite different, although full extent of vocabulary of *chloronotus/simlaensis* possibly not covered in above examples, as two song types have been described (Alström 2016).

In any case, it would seem that there are consistent differences which allow any recording to be immediately assigned to either group, e.g. freq. range of notes in above song type much wider in *forresti* (score 2) and pace slower (at least for the ending rattle, score 2).

Furthermore, call note of *forresti* is surprisingly uniform and quite different from anything recorded for *chloronotus/simlaensis* (allow score 2).

All in all, when applying Tobias criteria, this would lead to a total vocal score of at least 4. While this score is based on rather few recordings, the findings formulated here are clearly confirmed by Alström (2016), increasing the level of confidence.

This note was finalized on 24th February 2016, using sound recordings available on-line at that moment. We would like to thank in particular the sound recordists who placed their recordings for this species on XC: Nick Athanas, Oscar Campbell, Dave Farrow, Frank Lambert, Yong Ding Li, Mike Nelson, Lakshminarasimha Ranganathan and Manuel Schweizer.

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Tobias, J.A., Seddon, N., Spottiswoode, C.N., Pilgrim, J.D., Fishpool, L.D.C. & Collar, N.J. (2010). Quantitative criteria for species delimitation. *Ibis* 152(4): 724–746.

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